IN THE CLAIMS

- (Previously Presented) A method for gait rehabilitation, comprising:
 identifying at least one deficient gait element;
 exercising said deficient gait element individually using a rehabilitation apparatus;
 and
- exercising said deficient gait element in concert with at least one other gait element in more than one plane on the same side of the body, using said rehabilitation apparatus.
- 2. (Original) A method of claim 1, wherein gait elements are chosen from a group consisting of feet, legs, hips, torso, shoulders, head, hands and arms.
- 3. (Original) A method of claim 1, further comprising exercising a complex gait.
- 4. (Original) A method of claim 3, wherein a complex gait is chosen from the group consisting of balance, overcoming obstacles, moving backwards, movement on steps, turning, movement on slopes and varying speed.
- 5. (Original) A method of claim 1, wherein said gait rehabilitation is performed sitting down.
- 6. (Original) A method of claim 5, wherein said gait rehabilitation is performed in a wheelchair.
- 7. (Original) A method of claim 1, wherein said gait rehabilitation is performed utilizing an object designed to assist with movement.
- 8. (Original) A method of claim 7, wherein said object is selected from a group consisting of a walker, crutches, ski poles, a walking stick or a cane.
- 9. (Currently Amended) A method for gait rehabilitation according to claim 1, wherein the identifying at least one deficient gait element comprising comprises:

detecting the positions of at least one gait element during movement;
recording the detected positions of the at least one gait element, wherein position recordings are made; and,

displaying said position recordings of the at least one gait element; and.

exercising at least one gait element based on said display of said recording.

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- 10. (Canceled)
- 11. (Original) A method of claim 9, wherein at least one position sensor is used for said detecting.
- 12. (Original) A method of claim 9, wherein at least one optical sensing device is used for said detecting.
- 13. (Original) A method of claim 9, wherein at least one position sensor and at least one optical sensing device is used for said detecting.
- 14. (Original) A method of claim 9, wherein said position recordings are of movements performed by a person undergoing rehabilitation.
- 15. (Original) A method of claim 9, wherein said position recordings are of movements performed by a person not undergoing rehabilitation.
- 16. (Currently Amended) A method according to any of claims 9, 11-15, wherein said exercising is analyzed in comparison to said position recordings.
- 17. (Original) A method of claim 16, wherein additional exercise is performed based on said analysis.
- 18. (Withdrawn) Apparatus for rehabilitation comprising:

a motorized pedal adapted to be moved in a plane perpendicular to a surface; and a track adapted to support said pedal and a weight of a patient of at least 40 Kg when said pedal moves at a line near and parallel to said surface.

19. (Withdrawn) Apparatus for rehabilitation, comprising:

a first motor, wherein said first motor provides movement to components of the apparatus on an x-axis generally parallel to a surface;

a second motor, wherein said second motor provides movements to components of the apparatus on a z-axis generally perpendicular to a surface; and

at least one foot pedal component, wherein said foot pedal is operationally connected to said first and second motors and wherein said foot pedal rotates in a plurality of axes.

- 20. (Withdrawn) Apparatus according to claim 19, comprising a track for supporting a weight of a patient when said pedal travels along said x-axis with said z-axis being at a minimum value.
- 21. (Withdrawn) Apparatus according to claim 19, comprising a foot rest; wherein when a weight of a patient is placed on said foot rest, said first and second motors vary the amount of movement force provided to said foot pedal component.
- 22. (Withdrawn) An apparatus of claim 21, wherein said apparatus is adapted to be used in water.
- 23. (Withdrawn) An apparatus of claim 21, wherein said apparatus is portable.
- 24. (Withdrawn) An apparatus of claim 21, wherein said foot pedal is equipped with pressure sensors in order to gauge and analyze the patient's force applied on at least one location by a foot of the patient.

- 25. (Withdrawn) An apparatus of claim 21, wherein said foot pedal has the capability to extend and retract along a y-axis perpendicular to said axes.
- 26. (Withdrawn) An apparatus of claim 25, wherein turning is exercised by utilizing at least the rotational and extension capabilities of said foot pedal while the patient follows a hypothetical curved path.
- 27. (Withdrawn) An apparatus of claim 21, wherein said foot rest is a treadmill.
- 28. (Withdrawn) An apparatus of claim 21, wherein said foot rest is a second motorized foot pedal.
- 29. (Withdrawn) An apparatus of claim 28, wherein said apparatus varies the power to each of said pedals according to a placement of weight of said patient.
- 30. (Withdrawn) An apparatus of claim 21, wherein said apparatus further comprises extending support legs for apparatus stability enhancement.
- 31. (Withdrawn) An apparatus of claim 21, wherein said foot pedal can be attached to the apparatus at either side.
- 32. (Withdrawn) An apparatus of claim 21, wherein the travel of said foot pedal in the z axis is 20-50 centimeters.
- 33. (Withdrawn) An apparatus of claim 21, wherein said foot pedal is connected to the apparatus at the bottom of said foot pedal.
- 34. (Withdrawn) An apparatus of claim 21, wherein said foot pedal is adapted to receive a prosthetic foot.

- 35. (Withdrawn) An apparatus of claim 28, where said second foot pedal is adapted to receive a prosthetic foot.
- 36. (Withdrawn) An apparatus of claim 21, wherein said motors vary movement to at least some components of said apparatus based on patient use of a walking aid.
- 37. (Withdrawn) An apparatus of claim 36, wherein said walking aid is selected from a group consisting of a cane, crutches, ski poles, a walking stick or a walker.
- 38. (Withdrawn) An apparatus of claim 21, wherein said patient exercises with said apparatus while in a seated position.
- 39. (Withdrawn) Apparatus for gait training, comprising:
 - at least one element adapted to move a foot of a patient;
 - at least one armpit support; and
- at least one motor adapted to move said armpit support such that a patient supported by said support is moved from a sitting posture to a standing posture.
- 40. (Withdrawn) Apparatus for gait training, comprising:
 - at least one element adapted to move a foot of a patient;
 - at least one chair having a seating surface; and
 - at least one motor adapted to tilt said seating surface.
- 41. (Withdrawn) Apparatus according to claim 40, wherein said seat lifts while tilting.
- 42. (Withdrawn) An apparatus of claim 40, wherein said chair rotates around a vertical axis.
- 43. (Withdrawn) An apparatus of claim 41, comprising a backrest and wherein when said chair is moved by said motor, the relationship between said seat and said backrest varies.

- 44. (Withdrawn) An apparatus of claim 43, wherein said chair is provided with at least one torso support.
- 45. (Withdrawn) An apparatus of claim 43, wherein said backrest is articulated.
- 46. (Currently Amended) A method of gait rehabilitation according to claim 1, wherein said exercising the deficient gait element comprising comprises:

attaching a pedal rotatable in a plurality of axes to a foot of a patient; and automatically controlling the rotating said pedal to rehabilitate said patient.

- 47. (Original) A method according to claim 46, wherein said rotating is in at least two axes.
- 48. (Original) A method according to claim 46, comprising automatically controlling the translation said foot during said rotating.
- 49. (Original) A method according to claim 46, wherein controlling the rotating comprises restricting the rotation range.
- 50. (Original) A method according to claim 46, wherein controlling the rotating comprises restricting the rotation angle.
- 51. (Original) A method according to claim 46, wherein controlling the rotating comprises applying a resistive force to rotation.
- 52. (Original) A method according to claim 46, wherein controlling the rotating comprises causing said rotation.

- 53. (Original) A method according to claim 46, wherein controlling the rotating comprises initiating said rotation and allowing the rotation to continue to completion of a desired amount.
- 54. (Original) A method according to claim 46, comprising rehabilitating two feet concurrently.
- 55. (Original) A method according to any of claims 46-54, wherein said pedal is movable in a plane perpendicular to a surface and wherein said automatically controlling the rotation is responsive to movement of said pedal in said plane.
- 56. (New) A method according to claim 9, wherein exercising the at least one deficient gait element is based on said display of said recording.
- 57. (New) A method according to claim 1, further comprising measuring rehabilitation progress.
- 58. (New) A method according to claim 57, wherein measuring uses at least one EMG sensor.
- 59. (New) A method according to claim 57, wherein measuring uses at least one optical sensing device.
- 60. (New) A method according to claim 1, further comprising providing feedback during the exercising for enhancing gait rehabilitation performance.
- 61. (New) A method according to claim 1, wherein identifying and exercising during gait rehabilitation are adapted for at least one of a child or an adult.
- 62. (New) A method according to claim 1, further comprising transmitting exercise data to a remote location over a communications network.

- 63. (New) A method according to claim 1, wherein exercising is performed with the apparatus set in at least one of a plurality operational modes.
- 64. (New) A method according to claim 63, wherein the at least one set mode is motive.
- 65. (New) A method according to claim 63, wherein the at least one set mode is passive.
- 66. (New) A method according to claim 63, wherein the at least one set mode is a combination of motive and passive.
- 67. (New) A method according to claim 1, wherein the at least one deficient gait element is a complex gait element chosen from the group consisting of balance, overcoming obstacles, climbing steps, movement on slopes and varying speed.
- 68. (New) A method according to claim 1, further comprising entertaining during exercising by incorporating at least one of: games which stimulate particular exercises; displaying exercise related data; providing virtual reality experiences; or, projecting scenery during the exercising.